

## CLAIMS

What is claimed is:

1. A method for specifying a desired feature in a source code by embedding a behavior tag in the source code and automatically selecting an implementation technology based on the desired feature associated with the behavior tag.
2. The method of claim 1 comprising:
  - installing a deployment program on a computer;
  - wherein the deployment program instructs a processor to perform steps comprising:
    - determining whether the implementation technology contains the desired feature defined by the behavior tag; and
    - responsive to the determination that the implementation technology contains the desired feature defined by the behavior tag, using the implementation technology to execute the source code section associated with the behavior tag.
3. The method of claim 2 wherein the deployment program further comprises:
  - responsive to the determination that the implementation technology does not contain the desired feature defined by the behavior tag, selecting a new implementation technology and repeating the steps in claim 2.
4. The method of claim 3 wherein the deployment program further comprises:
  - accepting the source code containing the behavior tag.
5. The method of claim 4 wherein the deployment program uses a behavior tag definition to determine whether the implementation technology contains the desired feature defined by the behavior tag.
6. The method of claim 5 wherein the deployment program further comprises:

wherein the implementation technology is one of a plurality of implementation technologies in an implementation technology preference list; and

wherein the implementation technology in the implementation technology preference list that contains the desired feature defined by the behavior tag and that has the highest preference is used to execute the source code section associated with the behavior tag.

7. The method of claim 6 wherein the deployment program further comprises:

a configuration program; and

wherein the configuration program allows a user to create and modify the behavior tag in the behavior tag definition.

8. The method of claim 7 the deployment program further comprises:

wherein the configuration program allows a user to create and modify the implementation technology preference in the implementation technology preference list.

9. The method of claim 8 wherein the desired feature is that the source code is remotable.

10. The method of claim 8 wherein the desired feature is that the source code is transactional.

11. The method of claim 8 wherein the desired feature is that the source code is securable.

12. The method of claim 8 wherein the desired feature is that the source code is auditable.

13. The method of claim 8 wherein the desired feature is that the source code is isolatable.

14. The method of claim 8 wherein the desired feature is that the source code is concurrent.

15. A program product for specifying a desired feature in a source code by embedding a behavior tag in the source code and automatically selecting an implementation technology based on the desired feature associated with the behavior tag, the program product comprising:

a memory;

wherein the memory comprises instructions for a computer to perform steps comprising:

determining whether the implementation technology contains the desired feature defined by the behavior tag; and

responsive to the determination that the implementation technology contains the desired feature defined by the behavior tag, using the implementation technology to execute the source code section associated with the behavior tag.

16. The program product of claim 15 further comprising:

responsive to the determination that the implementation technology does not contain the desired feature defined by the behavior tag, selecting a new implementation technology and repeating the steps in claim 15.

17. The program product of claim 15 further comprising:

accepting the source code containing the behavior tag.

18. The program product of claim 15 wherein the deployment program uses a behavior tag definition to determine whether the implementation technology contains the desired feature defined by the behavior tag.

19. The program product of claim 15 further comprising:

wherein the implementation technology is one of a plurality of implementation technologies in an implementation technology preference list; and

wherein the implementation technology that contains the desired feature defined by the behavior tag and that has the highest preference is used to execute the source code section associated with the behavior tag.

20. The program product of claim 15 further comprising:

a configuration program; and

wherein the configuration program allows a user to create and modify the behavior tag in the behavior tag definition.

21. The program product of claim 15 the deployment program further comprises:

wherein the configuration program allows a user to create and modify the implementation technology preference in the implementation technology preference list.

22. The program product of claim 15 wherein the desired feature is that the source code is remotable.

23. The program product of claim 15 wherein the desired feature is that the source code is transactional.

24. The program product of claim 15 wherein the desired feature is that the source code is securable.

25. The program product of claim 15 wherein the desired feature is that the source code is auditable.

26. The program product of claim 15 wherein the desired feature is that the source code is isolatable.

27. The program product of claim 15 wherein the desired feature is that the source code is concurrent.

28. An apparatus for specifying a desired feature in a source code by embedding a behavior tag in the source code and automatically selecting an implementation technology based on the desired feature associated with the behavior tag, the apparatus comprising:

means for accepting the source code containing the behavior tag;

means for determining whether the implementation technology contains the desired feature defined by the behavior tag;

responsive to the determination that the implementation technology does not contain the desired feature defined by the behavior tag, means for selecting a new implementation technology and repeating the above step.

responsive to the determination that the implementation technology contains the desired feature defined by the behavior tag, means for using the implementation technology to execute the source code section associated with the behavior tag;

wherein the deployment program uses a behavior tag definition to determine whether the implementation technology contains the desired feature defined by the behavior tag;

wherein the implementation technology is one of a plurality of implementation technologies in an implementation technology preference list;

wherein the implementation technology that contains the desired feature defined by the behavior tag and that has the highest preference is used to execute the source code section associated with the behavior tag;

a configuration program;

wherein the configuration program allows a user to create and modify the behavior tag in the behavior tag definition; and

wherein the configuration program allows a user to create and modify the implementation technology preference in the implementation technology preference list.

29. The apparatus of claim 15 wherein the desired feature is that the source code is removable.

30. The apparatus of claim 15 wherein the desired feature is that the source code is transactional.

31. The apparatus of claim 15 wherein the desired feature is that the source code is securable.

32. The apparatus of claim 15 wherein the desired feature is that the source code is auditable.
33. The apparatus of claim 15 wherein the desired feature is that the source code is isolatable.
34. The apparatus of claim 15 wherein the desired feature is that the source code is concurrent.